



Information Security

This activity was created to be used primarily with:

16. Information Security

Secondary skills include:

2. Critical Thinking and Problem Solving
3. Initiative and Self-Direction
4. Integrity
5. Work Ethic
11. Big-Picture Thinking
12. Career and Life Management
14. Efficiency and Productivity
17. Information Technology
18. Job-Specific Tools and Technologies
20. Professionalism
21. Reading and Writing
22. Workplace Safety

1. Teacher will define Information Security as:

basic Internet and email safety and follows workplace protocols to maintain the security of information, computers, networks, and facilities

identifying various information types/formats (e.g., paper, electronic)

describing cybersecurity (e.g., risks, threats, vulnerabilities)

using technology ethically (e.g., appropriately using social networks, managing personal information)

abiding by workplace policies (e.g., acceptable use policy [AUP])

protecting confidentiality (e.g., protecting login information and, customer information)

following workplace-security procedures.

Note. While this activity addresses one aspect of information security, cyber-security, additional activities should focus on confidentiality and its importance in the workplace, including laws around it.



© CTECS 2021

2. Teacher will present various strategies students could use to improve information security skills at school and home. Ask them how they protect their privacy online and how and why companies help them do this.

3. Teacher might introduce this topic/activity by asking the students what is risked if employees expose information management systems to cyber-attacks. Ask them to provide a recent story of an important cyberattack and how it was resolved. See additional resources for related info and idea starters.

<p>Note: Teacher might ask how information security relates to the Efficiency and Productivity skill, and to Integrity.</p>
--

Additional resources:

Cyber Attack Stories from Politico: <https://www.politico.com/news/cyber-attacks>

Data Privacy Stories from the Associated Press: <https://apnews.com/hub/data-privacy>